LSM IT ADMINISTRATION MANUAL

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SimonsVoss technologies

LSM IT ADMINISTRATION MANUAL

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NOTE:

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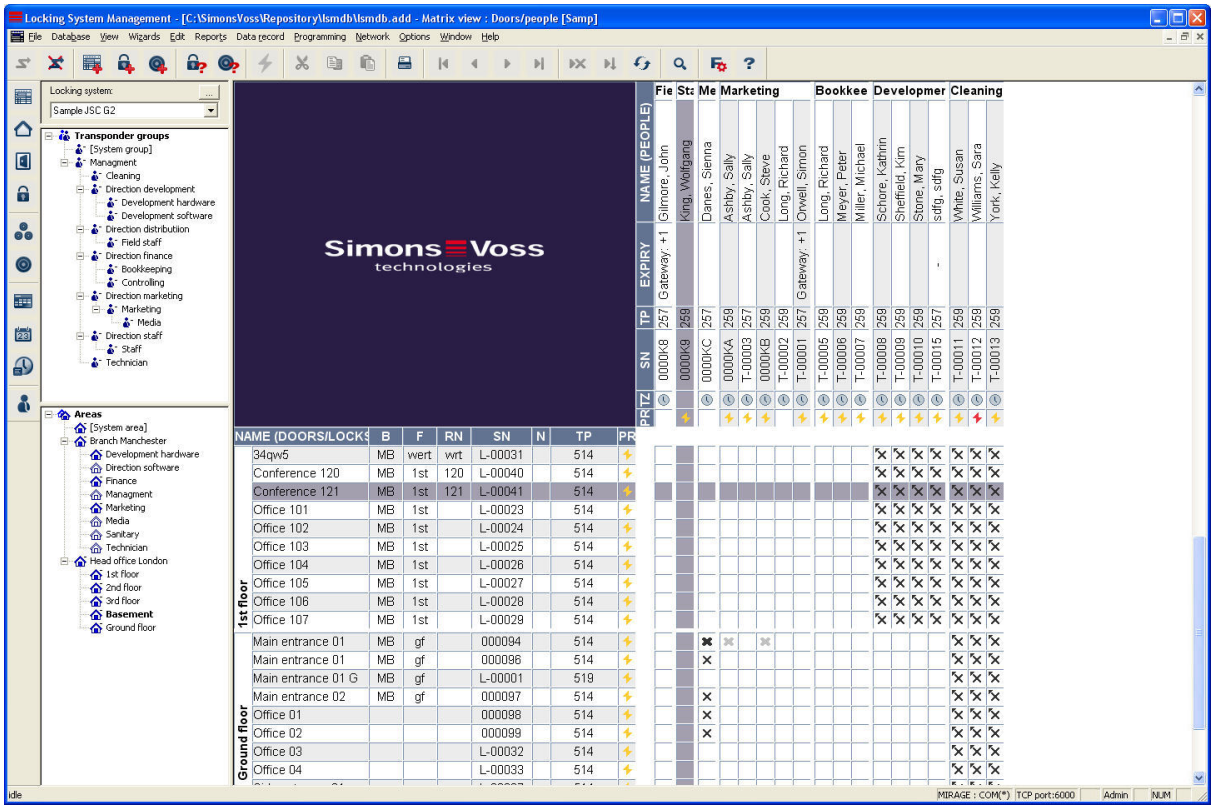
This manual applies to software without functional limitations. Functions or views in a customer's specific installation may deviate from these due to the software modules activated.

1.0 INTRODUCTION

Locking System Management (LSM) from SimonsVoss is a database-supported software package that enables you to create, manage and control complex locking plans efficiently. This documentation serves as a guide to help you structure and configure your locking plan. It will also assist you later on when it comes to monitoring and controlling the locking system, making management of the system easier



1.1. IMPORTANT NOTE

SimonsVoss Technologies AG shall assume no liability for damage caused by incorrect assembly or installation.

Access through a door may be denied if components are incorrectly assembled or programmed. SimonsVoss AG shall assume no liability for the consequences of incorrect installation, such as denied access to injured persons or persons at risk, damage to property or any other form of damage.

1.2. UNDERSTANDING THIS MANUAL

➲ MENU ITEMS

The LSM menu items are indicated in this manual by the ➲ symbol.

EXAMPLES
➲ Edit
➲ Area

HEADINGS AND CHECKBOXES

Headings and checkboxes shown in the screenshots are differentiated by the use of inverted commas.

EXAMPLES
“User Groups”
“Areas”

BUTTONS

Buttons shown in the screenshots are highlighted in grey.

EXAMPLES
OK
Apply

KEY COMBINATIONS

The key combination you can use to start the required functions is shown in bold.

Ctrl+Shift+X

PATH SPECIFICATIONS

If an instruction refers to a directory on a drive, the path is provided in italics.

EXAMPLE
C:\Program files\SimonsVoss\LockSysGui

NOTE

The specification *[CDROM]* is a variable and describes the letter identifying the drive of the CDROM drive on the computer (e.g. “D”) on which installation is to be carried out..

2.0 PRINCIPLES OF LSM

2.1. SYSTEM REQUIREMENTS (SUBJECT TO CHANGE)

GENERAL

- Local administrator rights for installation
- Communication
  TCP/IP (NetBios active)
  LAN (recommendation: 100 MBit)
- Windows domain
- MS ActiveSync 4.2 in conjunction with a PocketPC

CLIENT

Minimum hardware requirements

- Monitor min. 19” (or larger for viewing in matrix view)
- Screen resolution min. 1024x768
- Processor: 2.66 GHz (or faster)
- 2 GB RAM (or more)
- The amount of hard disc space required always depends on the amount of data you want to process (around 250 MB)
- Name resolution
- MS Windows XP Prof. SP3
- MS Windows Vista Business
- MS Windows 7 Professional
- .NET Framework 2.0
- RS-232 and / or USB interface

SERVER

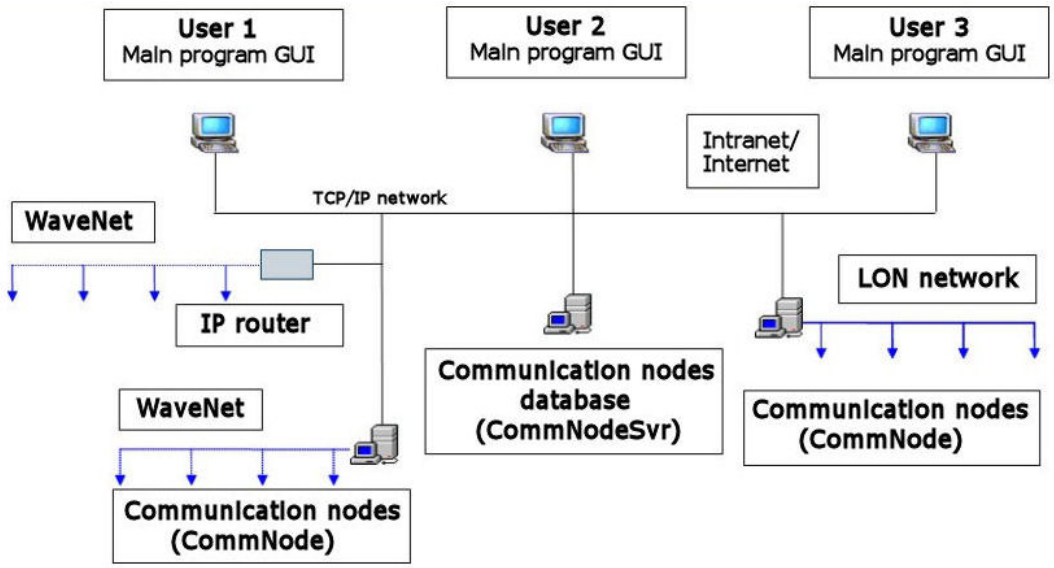
Minimum hardware requirements

- Processor: 2.66 GHz (or faster)
- 2 GB RAM (or more)
- The amount of hard disc space required depends on the amount of data you want to process
- Name resolution
- MS Windows Server 2003
- MS Windows Server 2008
- MS Windows Server 2008 R2 (in 4th quarter of 2010)
- RS-232 and / or USB interface
- Server-based application: approval is required on the ADS server for a database directory (approval does not require rights)

NOTE

If using firewalls between the client and server, please contact the technical LSM support team at SimonsVoss Technologies AG. It is not permitted to use the software in virtual environments at present.

2.2. SAMPLE INSTALLATION



2.3. OVERVIEW OF LSM SOFTWARE

LSM editions
- LSM Basic
- LSM Business
- LSM Professional
- LSM Mobile

LSM modules
- LSM Monitor
- LSM Report
- LSM Database
- LSM Network 48 / 128 / Enterprise
- LSM Card
- LSM VN Server
- LSM Extension 5 / 10 / Enterprise CommNodes
- LSM Extension 3 / 5 / 10 / 25 / 50 Clients

2.4. COMPONENTS (SOME INCLUDED IN SETUP)

LSM BASIC:

.NET Framework 2.0
Advantage OLEDB Driver
Advantage Data Provider
Crystal Reports
LSM software

LSM BUSINESS:

.NET Framework 2.0
Advantage Database Server
Advantage OLEDB Driver
Advantage Data Provider
Crystal Reports
LSM software

Other components may be required depending on the module.

2.5. DESCRIPTION OF COMPONENTS

2.5.1 ADVANTAGE DATABASE SERVER

The Advantage Database Server is the database operating system and forms the basis of data management. Data is stored on this server in tables and can be accessed again via the OLEDB interface.

2.5.2 ADVANTAGE DATA ARCHITECT

Advantage Data Architect is an Advantage tool for undertaking update, maintenance and repair work during servicing.

2.5.3 ADVANTAGE DATA PROVIDER

Advantage Data Provider is an additional component for accessing the data structure.

2.5.4 OLEDB DRIVER

The OLEDB Provider for all computers which are to run the GUI and / or run the CommNode Server, acts as an interface between the client and server.

2.5.5 CRYSTAL REPORTS

Each time a database is used, there is the concept of also evaluating the stored data and displaying it in an analytical manner. Crystal Reports is a powerful reporting tool which allows users to create flexible, meaningful reports quickly and easily. Tried-and-tested query technology ensures access to practically any data source, in this instance, the locking plan. Crystal Reports is integrated using the LSM GUI, without the need for adjustments within Crystal Reports. Crystal Reports is required on all computers which have the GUI installed to allow users to view the reports in LSM.

2.5.6 LSM GUI

The LSM GUI (Graphical User Interface) is the graphical interface for configuring the locking system.

2.5.7 LSM COMMNODE SERVER

The CommNode Server guides the user through the scheduled network tasks, manages events and controls the VN Server.

2.5.8 LSM COMMNODE

The CommNode software is the interface to a SimonsVoss network.

2.5.9 LSM VN SERVER

The LSM VN Server enables the necessary tasks to be processed in order to distribute the information in the locking plan to the components.

3.0 INSTALLATION AND CONFIGURATION

3.1. GENERAL

3.1.1 DEFINITION OF "DATABASE-BASED SOFTWARE SYSTEMS"

DATABASES

Databases are structured memories for large quantities of data about objects in our environment. They are structured by arranging the data into tables which are made up of a certain number of data records. The data records are in turn made up of data fields. This allows the individual data to be queried, modified and compared with ease.
Example
The *Deutsches Telefonverzeichnis* (German phone directory) database is made up of a certain number of tables (local phone books), these tables are made up of data records (personal entries), the data records are in turn made up of data fields (surname, first name, address, phone number).

DATABASE SYSTEMS

Database systems are made up of the data (database) and a so-called database management system.

Behind the database management system (or database engine) is a program which helps to create, modify and evaluate data. These types of systems include e.g. the Microsoft SQL Server, or, in the case of the LSM software system, the Advantage Database Server from Sybase.

The interface to the user or to the user software (GUI in the case of the LSM software system), is a query language, e.g. SQL (Structured Query Language). This language allows databases to query and evaluate or modify content.

The database contains the data itself. Relational databases, such as the Microsoft SQL Server or Sybase's Advantage Database Server, store data in the form of tables. It is possible to create, link and query several tables. Together, these tables form the database. LSM, which manages a locking plan, has to write and link together in corresponding tables all the relevant data, such as transponder data, personal data and information about locks, doors, areas and groups.

If a new person is created, all the detailed information such as employee number, name, date of birth etc. is entered as a new row in the corresponding Persons table and thereby adopted as a new data record. This data record is then of course available to the Transponder table as a new possible transponder owner. LSM will check that even though one person can own more than one transponder, one transponder can only have one owner. The relationship between the Transponder and Locks tables is different. On the one hand, one transponder can of course trigger several locks, but on the other hand one lock will of course respond to several transponders. LSM must therefore check the authorisations as well as the assignment. All of this happens automatically in the background and at first the user

only requires information on how to create objects and which program functions can write, modify or remove data records in the corresponding tables.

DATABASE-BASED SOFTWARE SYSTEMS

Database-based software systems are made up of one database system and other modules (e.g. user interface and interface module), which are installed on one or several computers distributed in the network and communicate with one another via the TCP/IP network protocol.
LSM is this type of database-based software system.

Structure of the LSM database-based software system
The Locking System Management (LSM) software consists of three modules

- Main program (Locking System Manager), basically contains the graphical user interface (GUI) and the locking system management functions.
- Database engine (Advantage Database Server),
- Communication node (CommNode Server, CommNode), to which a programming device, a handheld docking station or the central node for a local LON or WaveNet network can be connected.

All three modules can also run in full on different computers. They communicate with one another via TCP/IP network protocols. User interfaces and communication nodes can be distributed in larger numbers on the Intranet.

3.2. SERVER INSTALLATION

The server only has to be installed as from the LSM Business version; a data structure which is stored locally on the workstation computer is used for LSM Basic. It is therefore only necessary to install the client when using LSM Basic (see chapter 3.3

Client installation
).

3.2.1 INSTALLATION PROCESS

The following points must be carried out to install a database server.

- Install the ADS Server
- Install Data Architect (if required)
- Adjust the database values
- Set the service start to automatic
- Set up the database

3.2.2 ADS SERVER

PROCEDURE

- When the software DVD is inserted, the content appears in the browser
- In the software area you will find a direct link to the setup

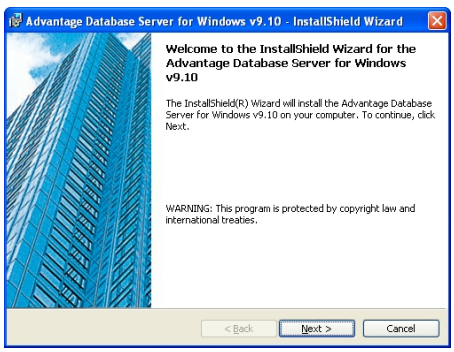
[CDROM]:\Software\LSM_3.0_xxx\ADS\adswin_x86_32.exe
[CDROM]:\Software\LSM_3.0_xxx\ADS\adswin_x86_64.exe
depending on operating system platform

- Start installation
- Perform the individual steps
- Enter the licence data
- Select the language configuration

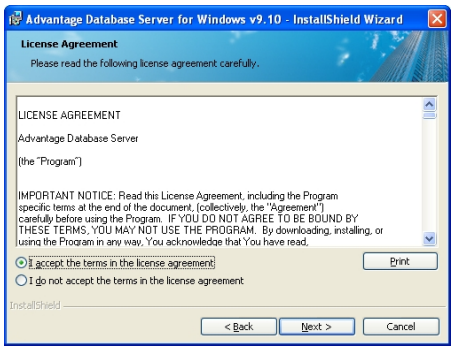
NOTE

The specification *[CDROM]* is a variable and describes the letter identifying the drive of the CDROM drive on the computer (e.g. ”D”) on which installation is to be carried out.

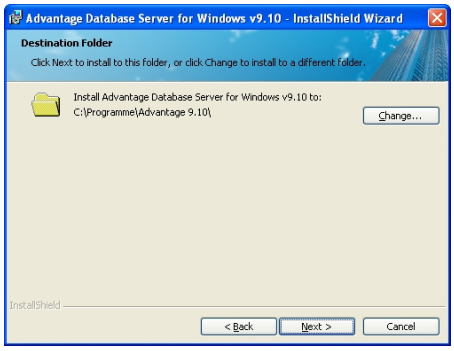
INSTALLING ADVANTAGE DATABASE SERVER


Advantage Database Server for Windows v9.10 - InstallShield Wizard
Welcome to the InstallShield Wizard for the Advantage Database Server for Windows v9.10
The InstallShield(R) Wizard will install the Advantage Database Server for Windows v9.10 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

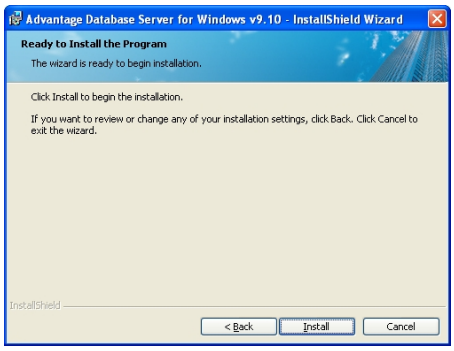
Confirm by clicking on Next to start the installation.


Advantage Database Server for Windows v9.10 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
LICENSE AGREEMENT
Advantage Database Server
(the "Program")
IMPORTANT NOTICE: Read this License Agreement, including the Program specific terms at the end of the document, (collectively, the "Agreement") carefully before using the Program. IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, YOU MAY NOT USE THE PROGRAM. By downloading, installing, or using the Program in any way, You acknowledge that You have read,
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

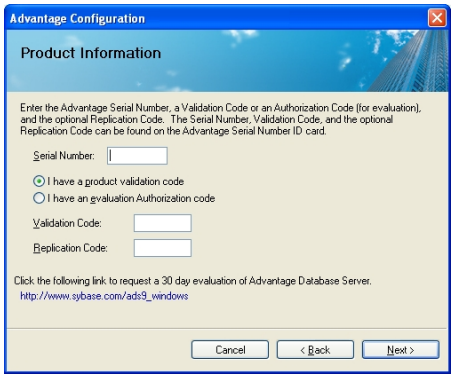
Read the licence agreement and accept the terms. Then select Next.


Advantage Database Server for Windows v9.10 - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Advantage Database Server for Windows v9.10 to:
C:\Programme\Advantage 9.10\
Change...
InstallShield
< Back
Next >
Cancel

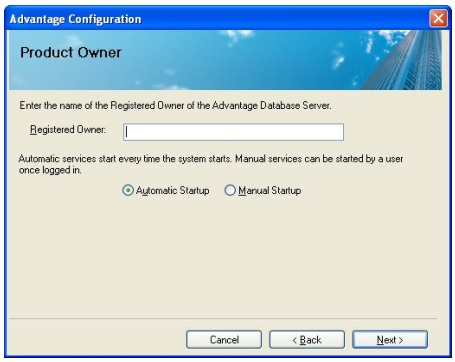
Then confirm by clicking on Next.


Advantage Database Server for Windows v9.10 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

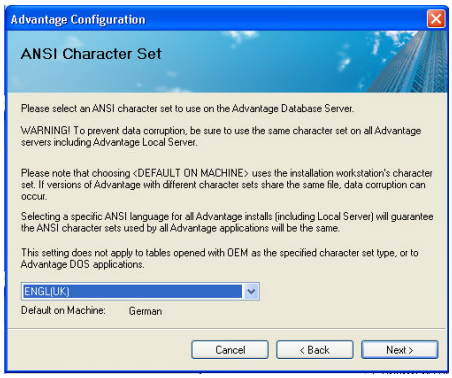
Confirm by clicking on Install.


Advantage Configuration
Product Information
Enter the Advantage Serial Number, a Validation Code or an Authorization Code (for evaluation), and the optional Replication Code. The Serial Number, Validation Code, and the optional Replication Code can be found on the Advantage Serial Number ID card.
Serial Number:
I have a product validation code
I have an evaluation Authorization code
Validation Code:
Replication Code:
Click the following link to request a 30 day evaluation of Advantage Database Server.
http://www.sybase.com/ads9_windows
Cancel
< Back
Next >

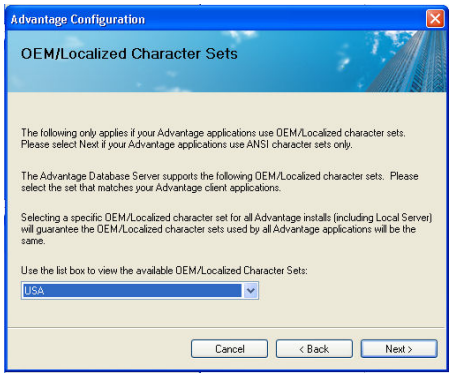
Enter the licence data you received.
Confirm by clicking on Next.


Advantage Configuration
Product Owner
Enter the name of the Registered Owner of the Advantage Database Server.
Registered Owner:
Automatic services start every time the system starts. Manual services can be started by a user once logged in.
Automatic Startup
Manual Startup
Cancel
< Back
Next >

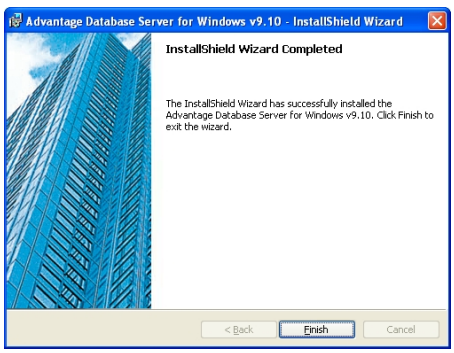
Enter your company as a registered user.
Confirm by clicking on Next.


Advantage Configuration
ANSI Character Set
Please select an ANSI character set to use on the Advantage Database Server.
WARNING! To prevent data corruption, be sure to use the same character set on all Advantage servers including Advantage Local Server.
Please note that choosing <DEFAULT ON MACHINE> uses the installation workstation's character set. If versions of Advantage with different character sets share the same file, data corruption can occur.
Selecting a specific ANSI language for all Advantage installs (including Local Server) will guarantee the ANSI character sets used by all Advantage applications will be the same.
This setting does not apply to tables opened with OEM as the specified character set type, or to Advantage DOS applications.
ENGL(UK)
Default on Machine: German
Cancel
< Back
Next >

Select “English”.
Confirm by clicking on OK.


Advantage Configuration
OEM/Localized Character Sets
The following only applies if your Advantage applications use OEM/Localized character sets. Please select Next if your Advantage applications use ANSI character sets only.
The Advantage Database Server supports the following OEM/Localized character sets. Please select the set that matches your Advantage client applications.
Selecting a specific OEM/Localized character set for all Advantage installs (including Local Server) will guarantee the OEM/Localized character sets used by all Advantage applications will be the same.
Use the list box to view the available OEM/Localized Character Sets:
USA
Cancel
< Back
Next >

Select “English”.
Confirm by clicking on OK.


Advantage Database Server for Windows v9.10 - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed the Advantage Database Server for Windows v9.10. Click Finish to exit the wizard.
< Back
Finish
Cancel

Confirm by clicking on Finish to end the installation.

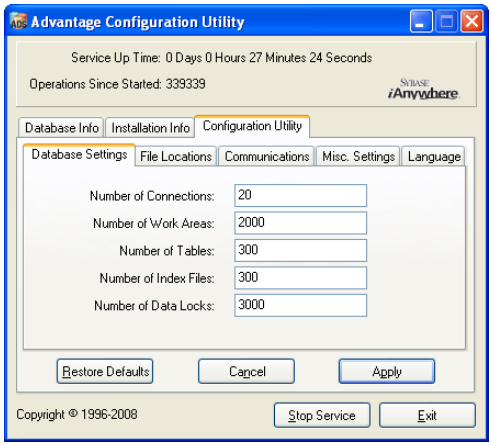
3.2.3 ADJUSTING THE DATABASE VALUES

PROCEDURE

- Left-click the Windows Start button
  ➲ All programs (Windows XP)
  ➲ Advantage Database Server 9.1
  ➲ Advantage Configuration Utility
- "Configuration Utility" tab
- "Database Settings" tab
- Adjust the values as described below
- Apply and Exit

IMPORTANT
Enter the following values:

Number of Connections	20
Number of Work Areas	2000
Number of Tables	300
Number of Index Files	300
Number of Data Locks	3000

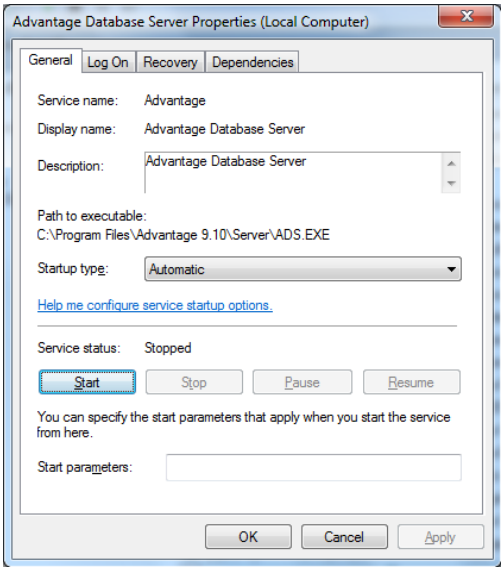


Adjust the existing values accordingly and confirm by clicking on Apply. Exit the settings by clicking on Exit.

SETTING THE SERVICE START TO AUTOMATIC

PROCEDURE

- Left-click the Windows Start button
- Select the Run option
- Enter and confirm the command "services.msc" in the "Open" dialogue field
- Right-click on the "Advantage Database Server" service
- "Properties"
- Select "Properties" for the start type



3.2.4 SETTING UP THE DATABASE

PROCEDURE

- Using a workstation on the server, create a folder in the desired location (e.g. *D:\SimonsVoss_DB*). This folder should not be located in a directory that is protected by the system (e.g. *C:\Windows*, *C:\Programme*).
- Unzip the lsmdb.zip file from the *C:\Programme\SimonsVoss\LockSysMgr_3_0\db* folder into the new folder.
- Approve the folder (here: d:\SimonsVoss_DB)
- Read access for everyone (optional)
- Hidden approval can be used

NOTE
Enter the setup path under 3.3.5 Setting up the database connection (from LSM Business edition) as follows: *\\[SERVERNAME]\SimonsVoss_DB\lsmdb\lsmdb.add*

3.3. CLIENT INSTALLATION

3.3.1 INSTALLING LOCKING SYSTEM MANAGEMENT

PROCEDURE

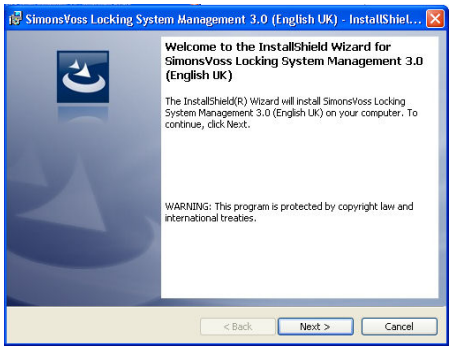
- Install the software (see the following process)
- Install Crystal Reports Bugfix
- Start the software after installation
- Please refer to the Licences and Registration chapter for registration
- Load the licence file you received
- Set up the database connection

INSTALLING SOFTWARE

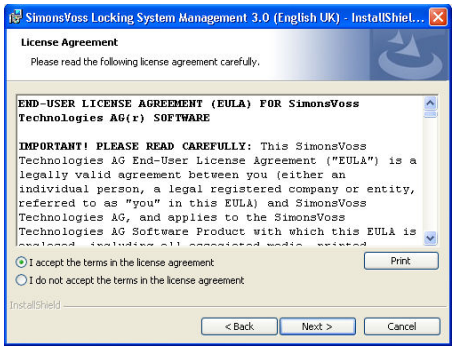
- When the software DVD is inserted, the content appears in the browser
- In the software area you will find a direct link to the setup

Alternatively, you can also call up installation directly
[CDROM]:\Software LSM_3.0_xxx\[*language]**lsm_setup_3_0_DE.exe*

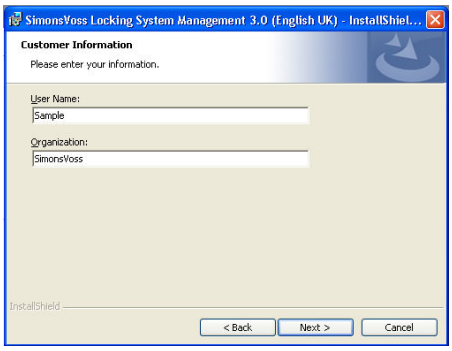
- Start installation
- Perform the individual steps


SimonsVoss Locking System Management 3.0 (English UK) - InstallShiel...
Welcome to the InstallShield Wizard for SimonsVoss Locking System Management 3.0 (English UK)
The InstallShield(R) Wizard will install SimonsVoss Locking System Management 3.0 (English UK) on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

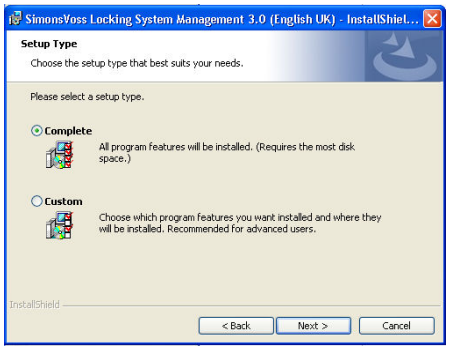
Confirm by clicking on Continue to start the installation.


SimonsVoss Locking System Management 3.0 (English UK) - InstallShiel...
License Agreement
Please read the following license agreement carefully.
END-USER LICENSE AGREEMENT (EULA) FOR SimonsVoss Technologies AG(r) SOFTWARE
IMPORTANT! PLEASE READ CAREFULLY: This SimonsVoss Technologies AG End-User License Agreement ("EULA") is a legally valid agreement between you (either an individual person, a legal registered company or entity, referred to as "you" in this EULA) and SimonsVoss Technologies AG, and applies to the SimonsVoss Technologies AG Software Product with which this EULA is
Print
I accept the terms in the license agreement
I do not accept the terms in the license agreement
InstallShield
< Back
Next >
Cancel

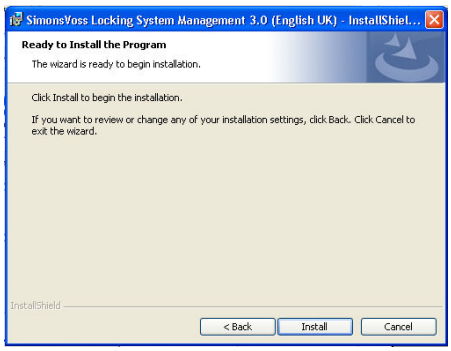
Read the licence agreement and accept the terms.
Then select Continue.



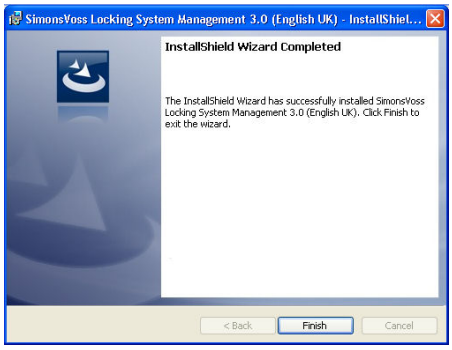
Enter the user information and then select Continue.


SimonsVoss Locking System Management 3.0 (English UK) - InstallShiel...
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

Then confirm by clicking on Continue.


SimonsVoss Locking System Management 3.0 (English UK) - InstallShiel...
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Confirm by clicking on Install.


SimonsVoss Locking System Management 3.0 (English UK) - InstallShiel...
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed SimonsVoss Locking System Management 3.0 (English UK). Click Finish to exit the wizard.
< Back
Finish
Cancel

Confirm by clicking on Finish to end the installation.

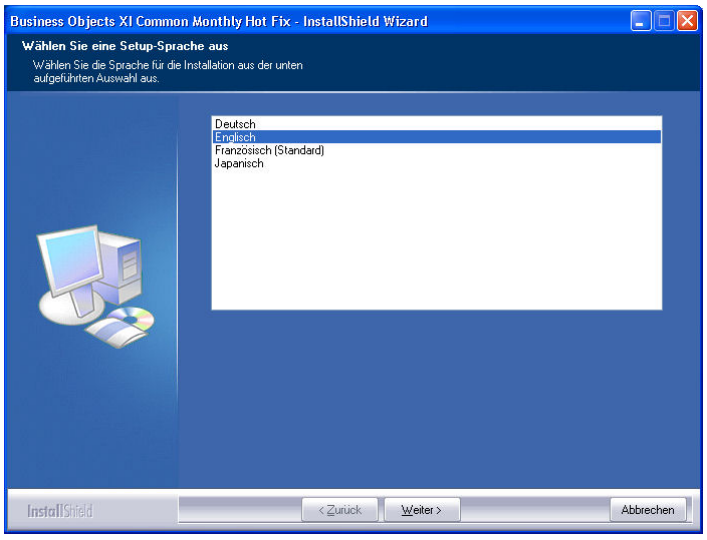
3.3.2 INSTALLING CRYSTAL REPORTS BUGFIX

PROCEDURE

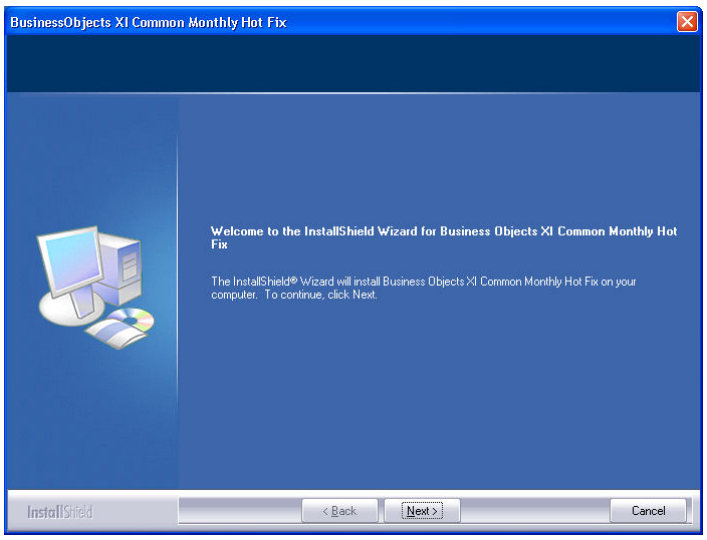
- When the software DVD is inserted, the content appears in the browser
- In the software area you will find a direct link to the setup

Alternatively, you can also call up installation directly
[CDROM]:\ Software LSM_3.0_xxx*Crystal_HotFix11\setup.exe*

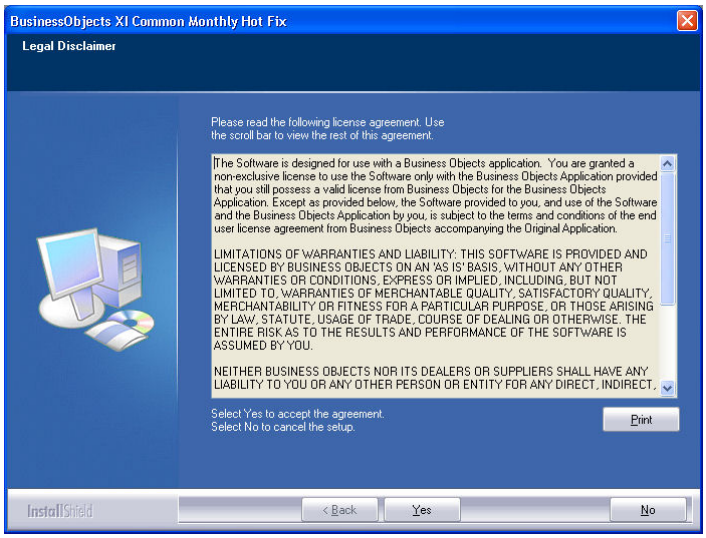
- Start installation
- Perform the individual steps



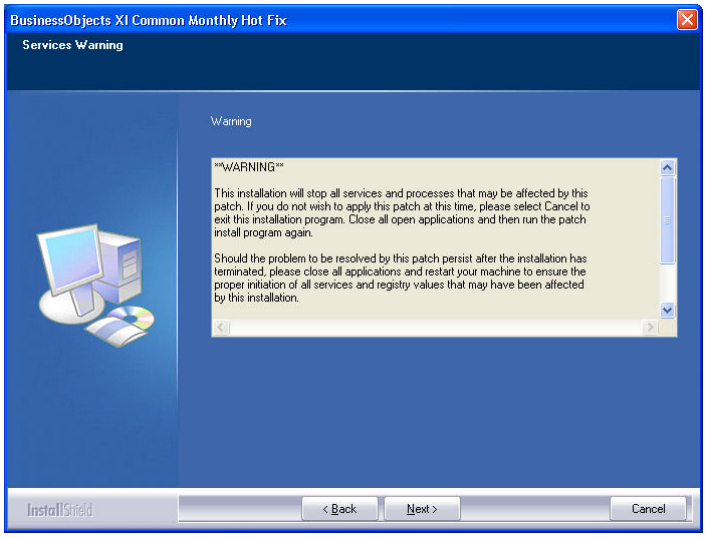
Select the language (English) and confirm by clicking on OK.


BusinessObjects XI Common Monthly Hot Fix
Welcome to the InstallShield Wizard for Business Objects XI Common Monthly Hot Fix
The InstallShield® Wizard will install Business Objects XI Common Monthly Hot Fix on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

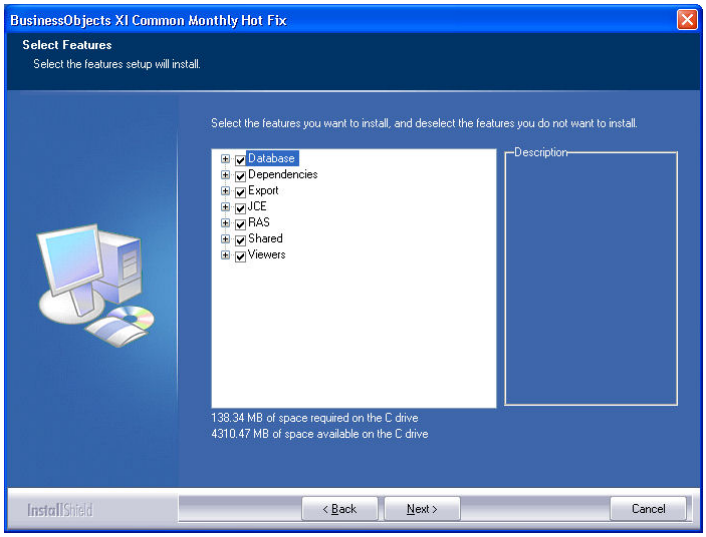
Confirm by clicking on Continue to start the installation.


BusinessObjects XI Common Monthly Hot Fix
Legal Disclaimer
Please read the following license agreement. Use the scroll bar to view the rest of this agreement.
The Software is designed for use with a Business Objects application. You are granted a non-exclusive license to use the Software only with the Business Objects Application provided that you still possess a valid license from Business Objects for the Business Objects Application. Except as provided below, the Software provided to you, and use of the Software and the Business Objects Application by you, is subject to the terms and conditions of the end user license agreement from Business Objects accompanying the Original Application.
LIMITATIONS OF WARRANTIES AND LIABILITY: THIS SOFTWARE IS PROVIDED AND LICENSED BY BUSINESS OBJECTS ON AN 'AS IS' BASIS, WITHOUT ANY OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABLE QUALITY, SATISFACTORY QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THOSE ARISING BY LAW, STATUTE, USAGE OF TRADE, COURSE OF DEALING OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE SOFTWARE IS ASSUMED BY YOU.
NEITHER BUSINESS OBJECTS NOR ITS DEALERS OR SUPPLIERS SHALL HAVE ANY LIABILITY TO YOU OR ANY OTHER PERSON OR ENTITY FOR ANY DIRECT, INDIRECT,
Select Yes to accept the agreement.
Select No to cancel the setup.
Print
InstallShield
< Back
Yes
No

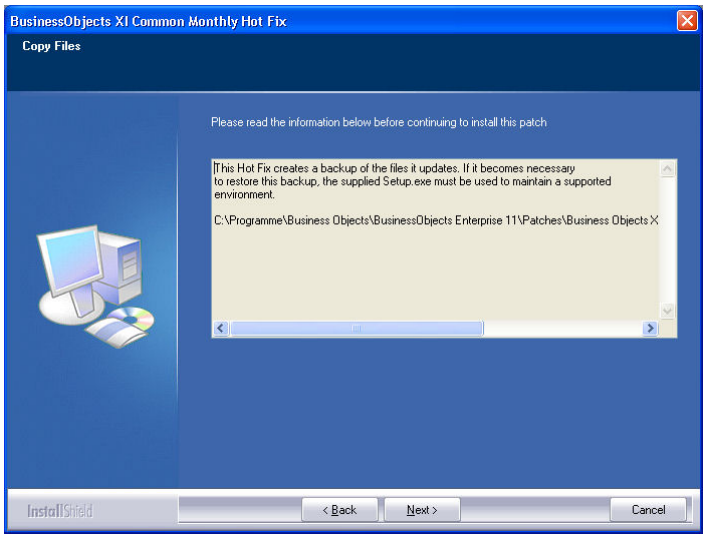
Read the licence agreement and accept the terms by clicking on Yes.


BusinessObjects XI Common Monthly Hot Fix
Services Warning
Warning
WARNING
This installation will stop all services and processes that may be affected by this patch. If you do not wish to apply this patch at this time, please select Cancel to exit this installation program. Close all open applications and then run the patch install program again.
Should the problem to be resolved by this patch persist after the installation has terminated, please close all applications and restart your machine to ensure the proper initiation of all services and registry values that may have been affected by this installation.
InstallShield
< Back
Next >
Cancel

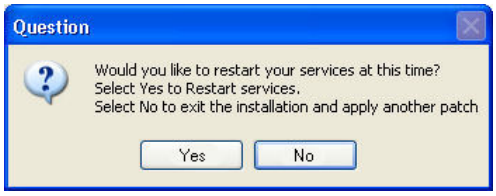
Then select Continue.



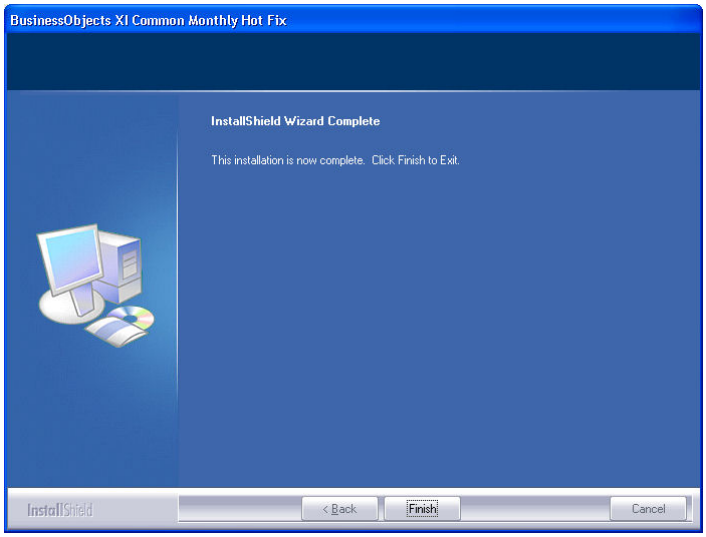
Confirm the complete installation, then select Continue.


BusinessObjects XI Common Monthly Hot Fix
Copy Files
Please read the information below before continuing to install this patch
This Hot Fix creates a backup of the files it updates. If it becomes necessary to restore this backup, the supplied Setup.exe must be used to maintain a supported environment.
C:\Programme\Business Objects\BusinessObjects Enterprise 11\Patches\Business Objects X
InstallShield
< Back
Next >
Cancel

Once you have finished reading, confirm by clicking on Continue. The following steps may take several minutes depending on the system.


Question
Would you like to restart your services at this time?
Select Yes to Restart services.
Select No to exit the installation and apply another patch
Yes
No

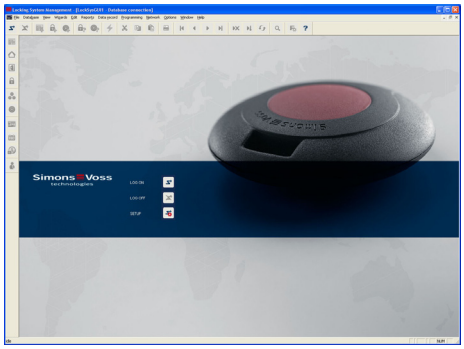
Confirm by clicking on Yes to restart the service.



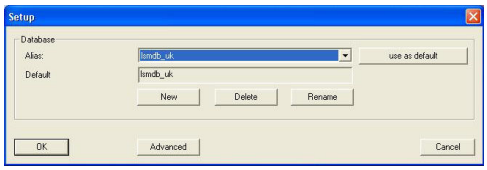
Confirm by clicking on Finish to end the installation.

3.3.3 SETTING UP THE DATABASE (LSM BASIC EDITION)

PROCEDURE



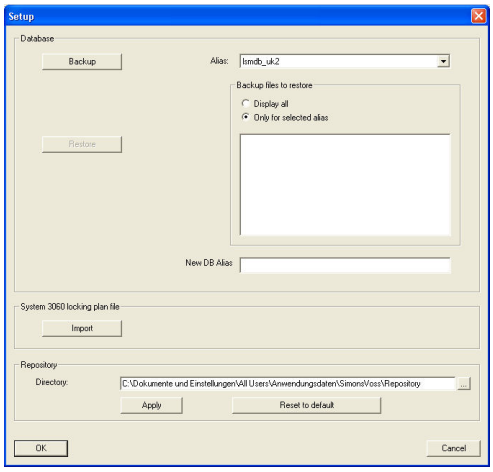
Start the software. In the LSM start window, please select Setup to configure the database connection.



Select New and enter a name for the database under Alias. This database is specified as the default by clicking on the Apply as default button.

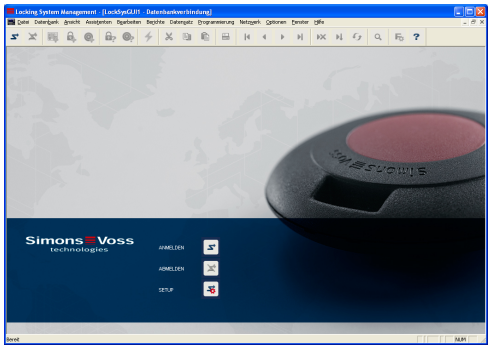
3.3.4 BACKING UP / RECOVERING THE DATABASE (LSM BASIC EDITION)

PROCEDURE

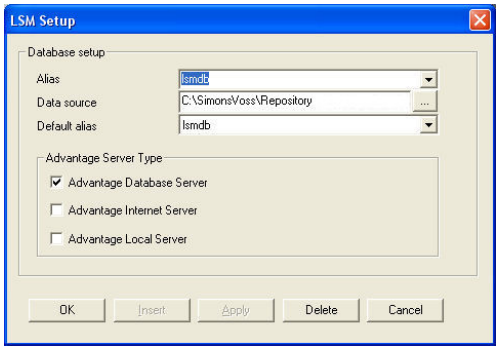


Calling up the advanced setup by clicking on Advanced allows you to specify the local storage location for the database. Data backups are stored here too.
Backups can be created by clicking on the Backup button and restored by clicking on Recover.

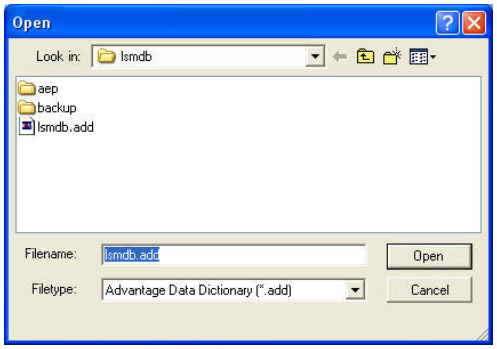
3.3.5 SETTING UP THE DATABASE CONNECTION (FROM LSM BUSINESS EDITION)



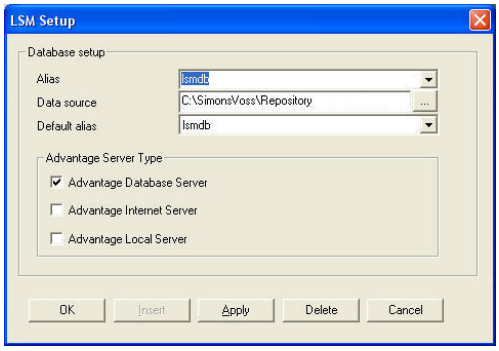
Start the software. In the LSM start window, please select Setup to configure the database connection.



Enter a name for the database under Alias. Then select the storage location for the LSM database (folder structure) using the folder navigation …



Here, select the “lsmdb.add” file, followed by Open.



Now select Apply and save the settings. Close this dialogue and return to the log on screen by clicking on OK.
With the Connect button, you can now log on to the database.

3.4. LOGGING ON TO THE DATABASE

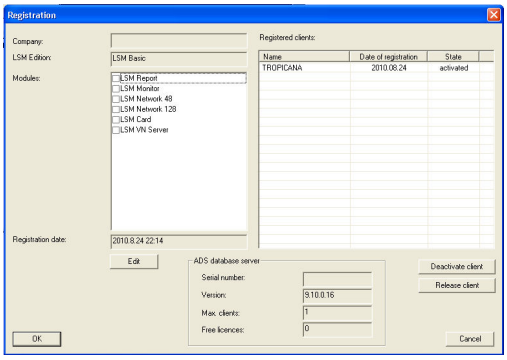
Standard log-on information
User Admin
Password system3060

Note
This password must be changed immediately in productive systems to prevent unauthorised access to the locking system data.

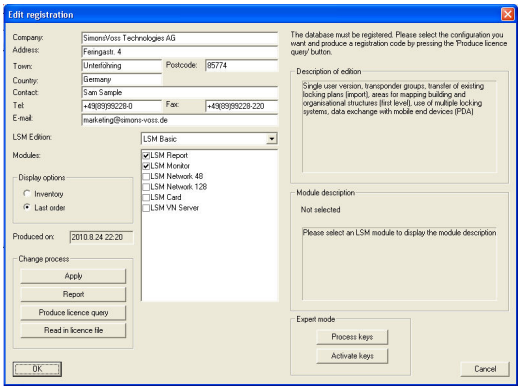
3.5. LICENCES AND REGISTRATION

PROCEDURE

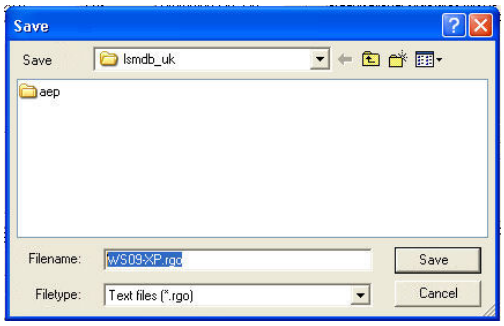
- Start the software after installation
- Call up the registration dialogue using the menu item ➲Help ➲Registration



This view provides you with information about the current licensing. **Edit** takes you to the licensing dialogue.



You must enter your customer details here the first time you register.
Please select the edition and any modules you have purchased.
Create the file with the registration data by clicking on Create licence query.



Select a storage location for the registration file.

Please confirm this message if you would like to create a new registration code.

Please forward this file with the registration information supplied in paper form relating to your version to the e-mail address below:

LSM Basic edition:
registration@simons-voss.de

LSM Business edition:
lsm-support@simons-voss.de

You receive a licence file from SimonsVoss which you use to activate the software by clicking on Load licence file.

LockSysMgr
Attention!
The last request for registration (sent on 2010.08.24 22:20) was not confirmed.
, the confirmation for the old order will
no longer be accepted, If you request a new registration!
Do you really want to produce a new registration code?
Yes
No

This message appears if you have already requested a registration code which has not yet been activated.

This message appears if you made another request after your registration request, and are now wanting to enter a registration for the first request.

To upgrade your software, call up the registration dialogue described above again and select the software modules you want. Report provides you with an overview which allows you to place the order with your dealer. Once you receive confirmation of the order from your dealer, carry out the registration process again using the licence file.

3.6. THE PROGRAMMING DEVICE

3.6.1 COMMISSIONING THE PROGRAMMING DEVICE

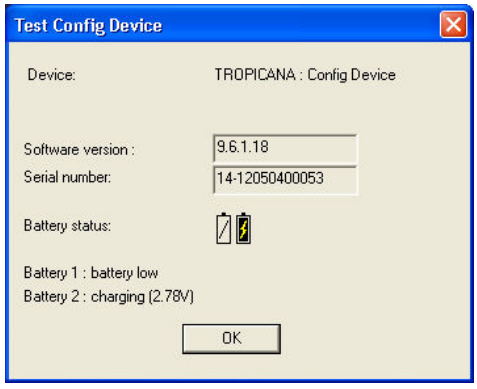
EXPLANATION

You can connect a programming device to any computer with a GUI. To do this, the computer must have a USB interface. The programming device transfers the settings and authorisations undertaken in the GUI to the components (cylinder, transponder, etc.). This is also possible via the SimonsVoss WaveNet network for locks which have already been programmed. In the software, a SmartCD is automatically created as a programming device to COM(*).

Please check the function of your programming device.

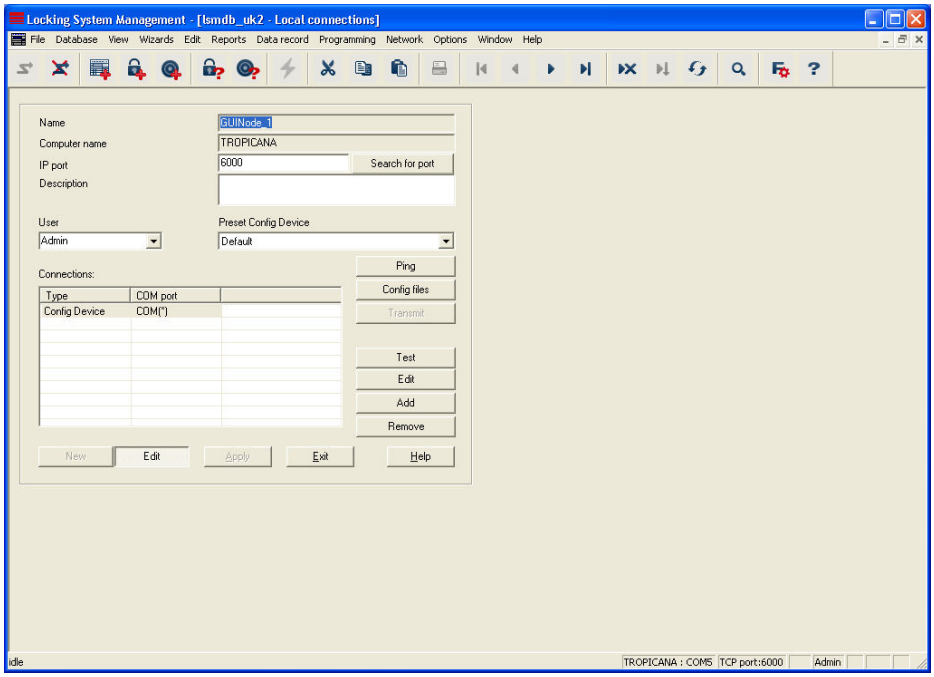
PROCEDURE

- ➲ Program
- ➲ Test config device
- If the programming device was detected successfully, you receive the following feedback



You can view the configuration of your programming device as follows

- ➲ Network
- ➲ Local connections
- Use the arrow keys to select your computer
- Highlight your programming device
- Test
- You then also receive the above result overview



3.6.2 MANUALLY COMMISSIONING THE PROGRAMMING DEVICE

Manual adaptation is only necessary in special cases

PROCEDURE

- ➲ Network
- ➲ Local connections
- Use the arrow keys to select your computer
- Add
- Search SmartCD
- OK
- Close

EXPLANATION

"Name"	→	Name of the local connection in the software
"IP port"	→	IP port which is used for communication
"Description"	→	Free field for describing the connection
"User"	→	LSM user
"Default config."	→	The "default" is the locally installed programming device
"Connections"	→	Connections via which the programming devices are addressed
Ping	→	Tests the connection to LockSysGui.exe
Config. files	→	Creates the configuration files
Test	→	Tests the connection to the programming device
Edit	→	Connection can be edited
Add	→	Connection can be added
Remove	→	Connection can be removed

3.6.3 TESTING THE PROGRAMMING DEVICE

PROCEDURE

- ➲ Network
- ➲ Local connections
- Highlight device
- Test

or

- ➲ Program
- ➲ Test config device

3.7. COMMUNICATION NODES

3.7.1 COMMNODE SERVER

GENERAL

The CommNode server is required to distribute tasks to the other network nodes and to forward feedback to the database. This can also be done using time-controlled tasks. It is also required to edit events and responses with the event manager and for the VN Server.

INSTALLATION

PROCEDURE

- Left-click the Windows Start button
- Select the Run menu item
- Enter and confirm the command *[CDROM]:\ Software*\ LSM_3.0_xxx\[*language*]*commNode_setup_3_0_[language].exe* in the "Open" dialogue field
- Follow the instructions
- Following successful installation, run the file "install_CommNodeSvr.bat" from the installation folder *C:\Programme\SimonsVoss\CommNodeSvr_3_0*.
- Enter and confirm the command *services.msc* in the "Open" dialogue field
- Right-click on the "SimonsVoss CommNode Server" "Properties"
- Check whether the "SimonsVoss CommNode Server" service is launched

3.7.2 CREATING CONFIGURATION FILES

GENERAL

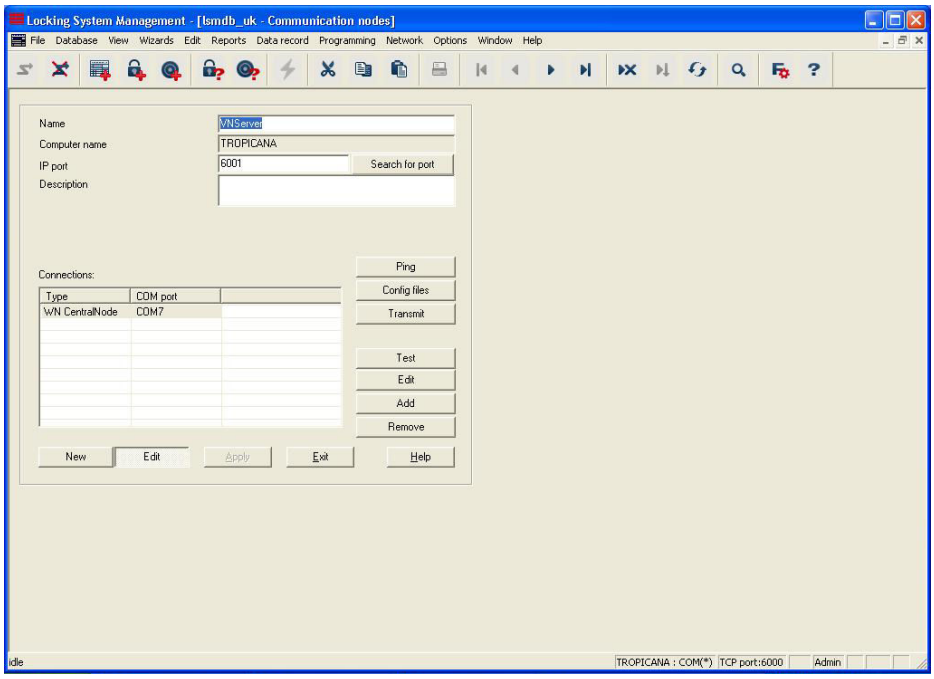
The configuration files are required to inform the "SimonsVoss CommNode Server" service of which devices are connected and how it can access the database.

PROCEDURE

- Launch LSM
- Connect
- Log on with user name and password
- ➲ Network
- ➲ Communication nodes
- New
- Assign the CommNode Server in Task manager (under Network)
- Copy the files (netcfg.xml, appcfg.xml, msgcfg.xml) to the installation directory of the "SimonsVoss CommNode Server"
- Left-click the Windows Start button
- Select the Run option
- Enter and confirm the command "services.msc" in the "Open" dialogue field
- Restart the "SimonsVoss CommNode Server" service

NOTE

- The files can also be created on any computer with GUI and can then be saved via the network.
- Each time the configuration of a CommNode is changed, the config. files must be recreated and copied or transferred to the CommNode directory.
- The service must be stopped and restarted manually if major changes occur, such as changing the name of the computer. Administrator rights are required to do this.
- The “SimonsVoss CommNode Server” service must have administrator rights.



EXPLANATION

“Name”	→	Name of the local connection in the software
“Computer name”	→	Name of computer on which the GUI is installed
“IP port”	→	IP port which is used for communication
“Description”	→	Free field for describing the connection
“Connections”	→	Local connections via which the programming devices are addressed
Ping	→	Tests the connection to the CommNode
Config. files	→	Creates the configuration files
Test	→	Tests the connection to the programming device
Edit	→	Connection can be edited
Add	→	Connection can be added
Remove	→	Connection can be removed

NOTE

- The specification *[CDROM]* is a variable and describes the letter identifying the drive of the CDROM drive on the computer (e.g. “D”) on which installation is to be carried out.
- The specification *[SYSTEM]* is a variable and describes the letter identifying the drive on which the “Programs” system folder is located.
- An environment variable “*COMPUTER NAME*” containing the correct name of the computer must exist on the computer on which the CommNode Server or a CommNode runs.
- If network messages are set up or planned as responses, the service must not run on the system account, but on a valid network account only. This account must be able to log on to the computers on which the EventAgent component is used. This can be enabled by assigning it to the domain.
- Set the service start type to automatic.
- If the Advantage Database Server (service) has to be powered down (stopped) (e.g. for data backup purposes), the SV CommNodeSvr service must first be stopped. Once the Advantage Database Server (service) is restarted, you can also restart the SV CommNodeSvr.

RECOMMENDATION

If the Advantage Database Server and the CommNode Server are running on the same computer (recommended by SimonsVoss), a service dependency can be set. A registry entry must be adapted for this.

- Call up *regedt32.exe* and go to the key: HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\SVCommNodeSvr
- Generate an entry called “*DependOnService*” of the type: *REG_MULTI_SZ*
- Under “Data:”, enter the name of the advantage database server service: *Advantage* (see Microsoft Knowledge Base Article - 193888).

3.7.3 COMMUNICATION NODES (COMMNODE)

EXPLANATION

The communication node software (CommNode) forms the interface between the locking system administration software and the SimonsVoss hardware components. This is run in the background and should be installed throughout the network on computers wherever read-out devices (CentralNodes, SmartCDs) are installed.

POSSIBLE CONNECTION LOCATIONS

- Computers to which a CentralNode of a SimonsVoss network (LON or WaveNet) is to be connected.

TASKS

- Receiving commands from the GUI or CommNode Server and forwarding them to the SimonsVoss hardware components. Upon completion, the result of the action is sent back to the originator.
- Receiving, processing and forwarding events.

CONFIGURATION

PROCEDURE

- ➲ Network
- ➲ Communication nodes
- New
- Enter “name”
- Enter “computer name”
- Apply
- Search port
- Create and save Config. files
- Select path where the configuration files are to be saved
- Copy the files *appcfg.xml, msgcfg.xml und netcfg.xml* to the directory *[SYSTEM]:\Programme\SimonsVoss\CommNode*

NOTE

- The files can also be created on any computer with GUI and can then be saved via the network.
- Each time the configuration of a CommNode is changed, the config. files must be recreated and copied or transferred to the CommNode directory.
- The service must be stopped and restarted manually if major changes occur, such as changing the name of the computer.
- The user who started the “SimonsVoss CommNode” service must either be a member of the administrator group or have the special right to stop and start the service.

4.0 DATABASE

The ADS multi-user version of the database engine is based on a client/server architecture. This minimises the network traffic between the client and server and controls transaction management. Each instance of database access is usually linked to several actions, which together form a transaction. If the client computer which runs the LSM software is interrupted during this type of transaction, the database can be completely reverted to the status it was in before the transaction was started, thereby retaining data consistency in full.

4.1. STRUCTURE

- **Tables**
  The data is kept in the database in the form of tables.

- **Indices**
  To speed up the search for certain entries, indices are created for the relevant columns.

- **Referential integrity**
  Relationships between the tables are set up. The database engine uses these to ensure data consistency.

- **Stored procedures**
  Stored procedures are functions which handle complex tasks. They are saved directly in the database and can be called up by LSM with ease. This includes e.g. the task of authorising a transponder for a lock.

4.2. SECURITY

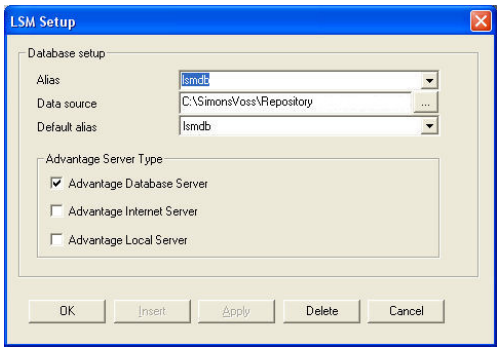
- **User-oriented access to data**
  Individual rights can be assigned to each software user. After logging on with his or her database log-on name and password, the user can then access the database with his or her individual rights.

- **Encrypting tables and communication**
  The tables in the database and all application communication with the database via the network is encrypted with a 160-bit password and data is only transferred incrementally, so any data which is tapped is not useful.

4.3. SETTING UP THE DATABASE

PROCEDURE

- Launch LSM
- Setup
- Assign alias
- …
- Select “lsmdb.add” database file
- Select “Advantage Database Server”
- Insert



RECOMMENDATION

- Enter UNC path. (e.g. \\Servername\Approval\lsmdb.add)
- Use hidden approval

4.4. CHANGING THE DATABASE

PROCEDURE

- Launch LSM
- Setup
- Select alias
- Apply
- OK

4.5. BACKING UP THE DATABASE (FROM LSM BUSINESS EDITION)

4.5.1 BACKUP

PROCEDURE

- Import the PDA databases, if necessary
- Cut off all access to the LockSysGUI (lock log-on)
- Stop the SV CommNodeSvr (if available)
- Stop the Advantage Database service (if available)
- Back up the database. You can do this by copying the entire directory containing the lsmdb.add to another location.

These processes can be carried out manually or automatically, as is described in the next point.

Create a *DB_backup.bat* with the local circumstances.

When running the *DB_backup.bat* file, a log file, *db_backup.txt*, is created. It is possible to determine whether or not the backup was successful by evaluating this file.

Content of the *DB_backup.bat* file:

```
E:
cd E:\svdb\lsmdb_sv
net stop SVCommNodeSvr /y          >> db_backup.txt
KillAllUsers.exe                   >> db_backup.txt
net stop Advantage                 >> db_backup.txt
copy *.* .\db_backup\              >> db_backup.txt
net start Advantage /y             >> db_backup.txt
net stop SVCommNodeSvr /y          >> db_backup.txt
```

If necessary, an automatic backup can be planned via the Windows task planner.

Note:
Backing up the database is in principle the responsibility of the customer's IT team! SimonsVoss accepts no liability for this.
Please check at regular intervals whether the backups created can also be restored.

4.6. OPTIMISING THE DATABASE

4.6.1 OPTIMISING THE AUTHORISATIONS

EXPLANATION

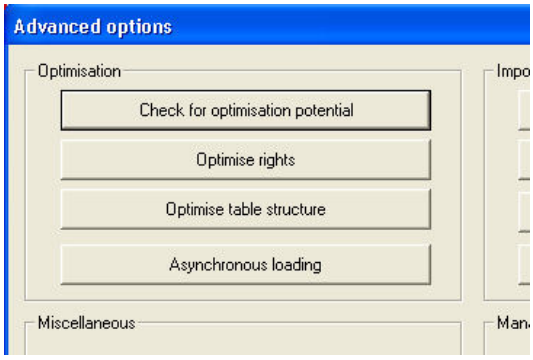
Users who have been using LSM for a long time may occasionally question the performance of the database application. Restructuring in particular can result in more data (authorisation crosses) and an increased strain on the database. Users can thereby give authorisation to a transponder group and give explicit individual authorisation to one person in this group. This means that the person in question has two independent authorisations for the same door. This is not only confusing, but also unnecessary.

PROCEDURE

- Options
- ➲ Advanced
- Check optimisation requirement
- OK

then, if required

- Optimise authorisations
- OK



NOTE

In some circumstances it may take several hours to check the need for optimisation and should be carried out with the “Advantage Local Server” configuration.

4.6.2 OPTIMISING THE TABLE STRUCTURE

EXPLANATION

Using a database for long periods can cause irregularities in the individual tables. Optimising the structure resets the table indices and removes any data inconsistencies.

PROCEDURE

- Options
- ➲ Advanced
- Optimise table structure
- OK

4.6.3 MISCELLANEOUS

4.7. IMPORTING LDAP DATA

If the company’s staff data is maintained centrally by the IT department, this information can be used to regularly update data in the system.
LSM accesses a special database for different servers. You are then provided with a view showing who is in the system and what data is held for them. It is not necessary to allocate fields because the information is saved in a standardised manner.

NOTE

By default, the LDAP source is accessed using the path “LDAP://CN=users,DC=’Domain’, DC=local”. If you would like to use another path, this must be saved in the “lsm.ini” file under the “LDAPCon” key (“SETTINGS”

section). If there is no “lsm.ini” file, one must be created in the *\config* sub-directory of the LSM program folder.

5.0 SERVICE UND SUPPORT

PRODUKT UNTERSTÜTZUNG

Bei Fragen zu den Produkten der SimonsVoss Technologies AG steht den Kunden der allgemeine Support zur Verfügung:

E-Mail hotline@simons-voss.de
Telefon +49 (0) 1805 78 3060

Der Helpdesk Produkte leistet keinen Support für die Software LSM Business und LSM Professional sowie deren Module.

SOFTWARE UNTERSTÜTZUNG

SUPPORT STANDARD

Für Kunden mit der abgeschlossenen kostenpflichtigen Support Stufe Standard steht zusätzlich nachfolgende Supportmöglichkeit über den Helpdesk Software zur Verfügung:

E-Mail lsm-support@simons-voss.de
Telefon +49 (0) 1805 57 3060

SUPPORT PREMIUM

Für Kunden mit der abgeschlossenen kostenpflichtigen Support Stufe Premium steht zusätzlich nachfolgende Supportmöglichkeit über den Helpdesk Software zur Verfügung.

E-Mail lsm-support@simons-voss.de
Telefon +49 (0) 1805 57 3060

Online Support Tool

- Kurzer Anruf an der LSM- Hotline
- LSM starten
- ➲ Hilfe
- ➲ SimonsVoss Online Support

6.0 GLOSSAR

A

Aufgabenliste

Aufzählung der im System vorhandenen Aufgaben

B

Bereich

Der Bereich ist eine Zusammenfassung mehrerer Türen.

C

Checkbox

Auswahlmöglichkeit einer Eigenschaft in der grafischen Oberfläche

D

Datenbankgestützt

Software, die Daten in einer vorgegebenen Struktur, der Datenbank, ablegt. Die Schließanlagen Datenbank enthält den Schließplan und die Schließanlagen.

E

Ereignis

Ein Ereignis ist eine Zustandsänderung, die über das Netzwerk an die LSM gemeldet wird.

Export

Beim Export werden die ausgewählten Daten des Schließplans auf den PocketPC übertragen

F

Feiertag

Staatlicher verordneter freier Tag oder vom Betrieb festgelegter freier Tag oder ein Zeitraum über mehrere aufeinander folgende Tage.

Feiertagsliste

Die Feiertagsliste ist eine Zusammenstellung ausgewählter Feiertage und wird in den Zeitzonenplänen verwendet.

Filter

Ein Filter schränkt die Ansicht auf die Daten nach den ausgewählten Eigenschaften ein

G

Gruppenberechtigung

Mit Gruppenberechtigungen besteht die Möglichkeit mehrere Transponder auf mehrere Schließungen gleichzeitig zu berechtigen.

Gültigkeitsbereich

Der Gültigkeitsbereich ist ein Zeitraum, in der der Transponder funktionstüchtig ist. Außerhalb dieses Zeitraums ist der Transponder inaktiv.

GUI

(Graphical User Interface) grafische Benutzeroberfläche zur Bedienung der Software.

H

Handheld

Ein Handheld/ PocketPC ist ein Kleincomputer, der zum mobilen Programmieren eingesetzt werden kann.

Hierarchie

Hierarchie ist ein System von Elementen, die einander über- bzw. untergeordnet sind.

I

Import

Beim Import werden die exportierten Schließungen nach der Abarbeitung wieder in die Schließanlage übertragen

L

LON

LON ist ein kabelgebundene Kommunikationssystem für die Gebäudeautomatisierung.
SimonsVoss Komponenten können mit auf diesen Standard aufsetzenden Techniken und Produkten vernetzt und damit online betrieben werden

M

Matrix

Die Matrix ist die grafische Darstellung der Berechtigungen in der LSM.

N

Netzwerk

Mit Hilfe des SimonsVoss Netzwerks wird ein direktes Ansprechen der Schließungen ohne Programmiergerät ermöglicht.

Netzwerkadresse

Über die Netzwerkadresse kann jeder LockNode eindeutig erkannt werden. Dieser wird an der Tür eingebaut und in der Software dieser Tür zugeordnet hinterlegt.

Notöffnung

Vorgang um eine Schließung ohne berechtigten Transponder zu öffnen. Die Notöffnung ist durch Passwörter abgesichert.

O

OMRON Modus

Alle Produktvarianten lassen sich im OMRON–Modus betreiben. Möchten Sie, dass das Smart Relais die Transponderdaten zu einem Fremdsystem überträgt und bei Freischaltung durch das Fremdsystem vom Smart Relais ein Fernöffnungsbefehl zu einem Zylinder gesendet wird, dann wählen sie diese Option sowohl am Smart Relais als auch am Zylinder. Achtung: Bei Verwendung dieser Konfiguration ist das Öffnen des Zylinders mittels Transponder nicht mehr möglich! Eine genaue Beschreibung entnehmen Sie bitte dem Handbuch „Smart Relais“.

Overlay-Modus

Im Overlay-Modus werden für einen erstellten Transponder jeweils 8 TransponderIDs reserviert und in die berechtigten Schließungen programmiert. Bei Verlust des ersten Transponders wird die Trans-ponderID in der Software deaktiviert und der neue Transponder erhält die nächste TransponderID aus den Reserve-TIDs. Beim Betätigen des Transponders an einer Schließung erkennt das System, das es sich um eine der 7 Reserve-TIDs handelt und deaktiviert die vorherige TransponderID.

P

Passwort

Die Sicherheit von Passwörtern ist abhängig von der Komplexität und Länge des Passworts. Im System werden an mehreren Stellen Passwörter zur Absicherung der Schließanlage verwendet

Person

Bei der Person hat man die Möglichkeit zusätzliche Informationen zu diesem Nutzer abzuspeichern.

PocketPC

Ein Handheld/ PocketPC ist ein Kleincomputer, der zum mobilen Programmieren von Schließungen eingesetzt wird.

Programmierbedarf

Programmierbedarf entsteht, wenn ein Unterschied vom Ist- und vom Soll-Zustand entsteht entweder durch Änderung von Zutrittsberechtigungen oder Konfigurationen.

R

Revisionssicher

Als revisionssicher wird ein Protokoll dann bezeichnet, wenn die Informationen über die Änderungen in einem System in der Datenbank wieder auffindbar, nachvollziehbar, unveränderbar und fälschungssicher archiviert werden.

S

Schliessanlage

Die Schließanlage dient zur Strukturierung der angelegten Transponder und Türen und zur Verwaltung der Zutrittsberechtigungen.

Schließplan

Der Schließplan enthält alle Berechtigungs- und Systeminformationen, die Anwenderverwaltung und kann mehrere Schließanlagen enthalten.

Schließung

Unter dem Begriff Schließung werden die Produkte von SimonsVoss zusammengefasst, die die Auswertung einer Berechtigung durchführen und eine Öffnung ermöglichen.

Schreibzugriff

Stellt das Recht dar, Veränderungen durchführen zu dürfen. Bestimmte Rollen in der Nutzerverwaltung der LSM, wie Handheld benutzen, Netzwerk verwalten oder Netzwerk konfigurieren benötigen zum Ausführen Schreibzugriffe in der Datenbank.

LSM Mobile

Software für den Handheld/ PocketPC zur mobilen Verwaltung und Programmierung des Schließsystems.

Suche

Die Suche ermöglicht einen genauen Sprung zu einem Objekt der Schließanlagen oder der Datenbank

T

Transponder

Der Transponder ist der „elektronische Schlüssel“ im System 3060.

Transpondergruppe

Die Transpondergruppe ist ein Zusammenschluss mehrerer Transponder zur Verwaltung von Gruppenrechten.

Tür

An der Tür hat man die Möglichkeit zusätzliche Informationen abzuspeichern. Unter ihr werden auch die Schließungen verwaltet.

V

Vorrat

Ein Vorrat stellt die Anzahl der G1 TransponderIDs in der

ausgewählten Transpondergruppe dar.

W

Warnungen

Warnungen kann man zum zeitnahen Anzeigen bestimmter Zustände verwenden.

WaveNet

WaveNet ist ein äußerst flexibles SimonsVoss Netzwerk, das sowohl kabelgebundene, als auch Verbindungen über Funk nutzen kann.

Z

Zeitgruppe

Ein Transponder kann einer Zeitgruppe zugeordnet werden und damit mit Hilfe eines Zeitzonenplans ein zeitlich eingeschränkter Zutritt realisiert werden.

Zeitgruppenname

Zeitgruppenname ist der vordefinierte Zeitgruppenname, der der Zeitgruppennummer eines Transponders zugeordnet wurde

Zeitgruppennummer

Die Zeitgruppennummer eines Transponders ist individuell einstellbar und wird vom Administrator festgelegt. Entsprechend dieser Gruppe wird der Transponder bei einem Zeitzonenplan an Schließungen zugelassen oder abgelehnt.

Zeitzone

Zeitzonen sind Bereiche, die nur von bestimmten Transpondergruppen zu bestimmten Zeiten betreten werden dürfen.

Zeitzonenplan

Objekt zur zeitlichen Steuerung der Zutritte an Schließungen für Bereiche und Transponder. Hier können auch die Feiertagslisten eingebunden werden.

Zurücksetzen

Beim Zurücksetzen werden die Daten auf dem Objekt gelöscht und gleichzeitig in der Software der Ist-Zustand auf „unprogrammiert“ gesetzt

Zutrittslisten

Speicherung der Daten der Transponder in den Schließungen mit ZK Funktion. Bitte beachten Sie bei der Nutzung dieser Daten die jeweils gültigen arbeits- und datenschutzrechtlichen Vorschriften.